



PTO/SB/21 (02-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/722,858	
	Filing Date	November 26, 2003	
	First Named Inventor	Hector F. DeLuca	
	Art Unit	1621	
	Examiner Name		
Total Number of Pages in This Submission	5+	Attorney Docket Number	1256-00929

ENCLOSURES (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Thomas M. Wozny, Reg. No. 28,922 Andrus, Sceales, Starke & Sawall, LLP
Signature	<i>Thomas M. Wozny</i>
Date	March 3, 2004

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Dorothy A. Hauser	
Signature	<i>Dorothy A. Hauser</i>	Date
		March 3, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. :	10/722,858)	CERTIFICATE OF MAILING
Applicant :	Hector F. DeLuca et al)	I hereby certify that this
Filed :	November 26, 2003)	correspondence is being deposited with
Title :	Synthesis of A-Ring Synthons)	the United States Postal Service with
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TC/A.U. :	1621)	Commissioner of Patents, P.O. Box
Examiner :)	1450, Alexandria, VA 22313-1450, on
)	this 3rd day of March, 2004.
Docket No. :	1256-00929)	
)	<u>Dorothy A. Hauser</u> March 3, 2004
)	Dorothy A. Hauser Date

INFORMATION DISCLOSURE STATEMENT

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Sir:

The references listed on the enclosed PTO Form 1449 are being submitted in the above-identified patent application in accordance with 37 CFR 1.97(b)(3).

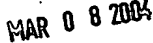
A copy of each of the listed references is enclosed in compliance with the rules.

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By Thomas M. Wozny
Thomas M. Wozny
Reg. No. 28,922
(414) 271-7590

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Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	10/722,858
Filing Date	November 26, 2003
First Named Inventor	Hector F. DeLuca
Art Unit	1621
Examiner Name	
Attorney Docket Number	1256-00929

Sheet	1	of	3
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

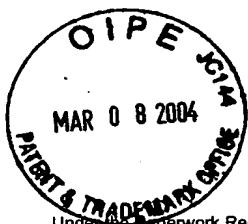
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/722,858
Filing Date	November 26, 2003
First Named Inventor	Hector F. DeLuca
Art Unit	1621
Examiner Name	
Attorney Docket Number	1256-00929

Sheet	2	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Abstract 122:81736; SICINSKI ET AL; Synthesis and Biological Activity of 2-Hydroxy and 2-Alkoxy Analogs of 1Alpha,25-Dihydroxy-19-Norvitamin D3; Journal of Medicinal Chemistry; 1994, 37(22), 3730-8	
		Abstract 115:92747; BAKER ET AL; Design and Synthesis of 6Alpha-Substituted 2Beta,4Alpha-Dihydroxy-1Beta-Phosphoryloxycyclohexanes, Potent Inhibitors of Inositol Monophosphatase; Journal of the Chemical Society, Chemical Communications; 1991, (5), 298-300	
		Abstract 127:359017; KOZIKOWSKI ET AL; Synthesis of 1D-3-Deoxy- and -2,3-Dideoxyphosphatidylinositol; Tetrahedron; 1997, 53(44), 14903-14914	
		Abstract 114:7016; CAMBIE ET AL; A Stereocontrolled Synthesis of Proto-Quercitol; Australian Journal of Chemistry; 1990, 43(9), 1597-602	
		Abstract 115:92747; BAKER ET AL; Design and Synthesis of 6Alpha-Substituted-2Beta-Phosphoryloxycyclohexanes, Potent Inhibitors of Inositol Monophosphatase; Journal of the Chemical Society, Chemical Communications; 1991, (5), 298-300	
		Abstract 130:263914; IWASE ET AL; Bioscience, Biotechnology, and Biochemistry; 1998, 62(12), 2396-2407	
		Abstract 96:163074; YOSHIKAWA ET AL; Heterocycles, 1982, 17 (Spec. Issue), 209-14	
		SICINSKI ET AL; New 1Alpha,25-Dihydroxy-19-Norvitamin D3 Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues; Journal of Medicinal Chemistry; 1998, (41), 4662-4674	
		POSNER ET AL; Stereocontrolled Synthesis of a Trihydroxylated A Ring as an Immediate Precursor to 1Alpha,2Alpha,25-Trihydroxyvitamin D3; Journal of Organic Chemistry; 1991, (56), 4339-4341	
		PERLMAN ET AL; 1Alpha,25-Dihydroxy-19-Nor-Vitamin D3, A Novel Vitamin D-Related Compound with Potential Therapeutic Activity; Tetrahedron Letters, 1990, (31), 13, 1823-1824	

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Application Number		10/722,858
	Filing Date		November 26, 2003
	First Named Inventor		Hector F. DeLuca
	Art Unit		1621
	Examiner Name		
	Attorney Docket Number		1256-00929

Sheet	3	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PERLMAN ET AL; Novel Synthesis of 19-Nor-Vitamin D Compounds; Tetrahedron Letters, 1991, (32), 52, 7663-7666	

Examiner Signature		Date Considered	
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